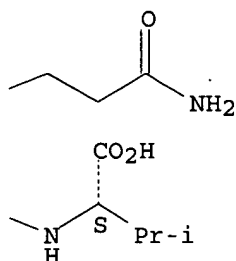


PAGE 1-C



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 127:336630

=> d his

(FILE 'HOME' ENTERED AT 11:07:03 ON 16 MAY 2005)
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:07:13 ON 16 MAY 2005
 E FPHFDLSHGSAQV/SQEP

L1 5 S E3

FILE 'HCAOLD' ENTERED AT 11:07:45 ON 16 MAY 2005
 0 S L1

FILE 'HCAPLUS' ENTERED AT 11:07:50 ON 16 MAY 2005

L3 3 S L1
 E WOLPE S/AU
 L4 37 S E3-E10
 E TSyrLOVA/AU
 L5 21 S E4-E6
 E PRO NEURON/PA,CS
 L6 22 S E4-E8
 E PRONEURON/PA,CS
 L7 1 S E4,E5
 E WELLSTAT/PA,CS
 L8 19 S E3-E14
 L9 2 S (US20040167060 OR US6784155 OR US5861483)/PN OR (US2004-77617
 L10 3 S L3,L9 AND L4-L8
 L11 3 S L9,L10
 L12 3 S INPROL
 L13 6 S L3,L9-L12
 E HEMOGLOBIN/CT
 L14 2289 S E22-E24
 L15 2410 S E21 (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN OR DELTA CH
 L16 261 S E3 (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN OR DELTA CHA
 E E21+ALL
 L17 2899 S E3+OLD,NT,PFT (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN O

L18 6609 S (HEMOGLOBIN OR HAEMOGLOBIN) (L) (ALPHA CHAIN OR BETA CHAIN OR
L19 6628 S L14-L18
SEL RN L11

FILE 'REGISTRY' ENTERED AT 11:56:34 ON 16 MAY 2005

L20 79 S E1-E79
L21 15 S L20 AND (MORPHINE OR ETORPHINE OR CODEINE OR HEROIN OR HYDROM
L22 7 S L20 AND (BUPRENORPHINE OR BUTANORPHANOL OR NALBUPHINE OR MEPE
L23 0 S L20 AND DERMORPHIN?
L24 0 S L20 AND ENKEPHALIN?
L25 21 S L21,L22
L26 0 S BUTANORPHANOL
L27 20 S L25 NOT 509-60-4
L28 1 S L25 NOT L27
L29 58 S L20 NOT L25
L30 53 S L29 NOT L1
L31 1 S L30 AND C4/ES
L32 3 S L30 AND MYELO?
L33 1 S L20 AND BUTORPHANOL
L34 22 S L25,L33

FILE 'HCAPLUS' ENTERED AT 12:08:23 ON 16 MAY 2005

E GLYCINOL (L) ENKEPHALIN?
L35 6 S GLYCINOL (L) ENKEPHALIN?
L36 639 S DERMORPHIN?
L37 47 S L36 (L) ARG2
L38 7 S L37 (L) LYS4
L39 6 S L38 (L) AMIDE

FILE 'REGISTRY' ENTERED AT 12:12:01 ON 16 MAY 2005

L40 1 S 78123-71-4
L41 1 S 118476-85-0
E YAGF/SQEP
L42 598 S E3
L43 583 S L42 AND D
L44 580 S L43 AND NTE/FA
L45 165 S L44 AND METHYL/NTE
L46 149 S L45 AND PHE/NTE
L47 149 S L46 AND PHE 4/NTE
L48 149 S L40,L47
L49 87 S L47 AND N ALPHA METHYL
L50 87 S L49 AND D ALAN?
E YRFK/SQEP
L51 27 S E3
L52 23 S L51 AND D ARG?
L53 14 S L52 AND LYS 4/NTE
L54 14 S L53 AND LYSINAMIDE
L55 123 S L40,L41,L50,L54,L34

FILE 'HCAPLUS' ENTERED AT 12:15:54 ON 16 MAY 2005

L56 41202 S L55
L57 3 S L56 AND L19
L58 2 S L57 NOT 3/SC,SX
L59 22 S L56 AND STEM CELL
E STEM CELL/CT
L60 222 S L56 AND (E3+OLD,NT,PFT,RT OR E5+OLD,NT,PFT,RT OR E12+OLD,NT,P
L61 4 S L59,L60 AND (HEMOGLOBIN OR HAEMOGLOBIN)
E HEMOGLOBINS/CT
L62 82837 S E3+OLD,NT,PFT,RT
L63 73 S L62 AND L56
L64 5 S L63 AND STEM CELL
E STEM CELL/CT
L65 6 S L63 AND (E3+OLD,NT,PFT,RT OR E5+OLD,NT,PFT,RT OR E12+OLD,NT,P

EP 784677, Based on WO 9610634; ES 2216019 T3 Based on EP 784677; US 6858583 B2 Div ex US 5939391, CIP of US 6022848, Div ex US 6090782, Div ex US 6610654; US 2005043218 A1 Div ex US 5939391, CIP of US 6022848, Div ex US 6090782, Div ex US 6610654

PRAI US 1995-535882 19950928; US 1994-316424 19940930;
 US 1993-40924 19930331; US 1993-40942 19930331;
 WO 1994-US3349 19940329; US 1998-5546 19980112;
 US 1995-477668 19950607; US 2001-839164 20010423;
 US 1995-477669 19950607; US 2000-617840 20000717;
 US 2002-128581 20020424; US 2003-463699 20030618;
 US 2004-897005 20040723

REP 7.Jnl.Ref

IC ICM A01N037-18; A61K000-00; A61K037-00; A61K038-16; A61K038-22;
 A61K038-42; A61K045-05; A61K048-00; C07K014-00; C07K014-795;
 C12N000-00; C12N015-00

ICS A61K035-14; A61K035-28; A61K035-44; A61K038-00; A61K038-18;
 A61K038-19; A61K038-20; A61K038-21; A61K038-39; A61K039-00;
 A61K039-39; A61K045-00; A61N005-00; A61P005-00; A61P017-06;
 A61P019-08; A61P031-12; A61P035-00; A61P035-02; A61P037-06;
 A61P041-00; A61P043-00; B01D061-42; C07K001-00; C07K005-087;
 C07K007-50; C08L051-04; C12N005-00; C12N005-06; C12N005-08;
 C12N005-10; C12N015-09; C12N015-12

ICA C07K005-107; C07K007-06; C07K007-08; C07K014-805

AB WO 9610634 A UPAB: 20050303

A novel pharmaceutical compsn. comprises a polypeptide selected from the haemoglobin (Hb) alpha, beta, gamma, delta, epsilon or zeta-chains and a carrier.

USE - The compsn. is an inhibitor of stem cell proliferation (**INPROL**), and is useful for this purpose, partic. in mammals exposed to an agent, e.g. an antiviral agent, which damages or destroys stem cells (claimed). It is also useful for stimulating the growth of B cells (claimed). **INPROL** can also be used with ratio- or chemotherapy to treat cancer in mammals by differentially protecting normal stem cells and not cancer cells from such therapy. (claimed). **INPROL** is also useful for maintaining mammalian haematopoietic stem cells ex vivo, partic. bone marrow, (mobilised) peripheral blood or cord blood cells (claimed). It is also useful for ex vivo cell expansion of haematopoietic cells in combination with at least 1 stimulatory cytokine (claimed). **INPROL** can also be used to treat myeloproliferative or autoimmune disease, partic. a myelodysplastic syndrome, or epithelial stem cell hyperproliferation in mammals (claimed).

ADVANTAGE - The novel **INPROL** peptides are different from those already known. They have mol. weight in excess of 10000 daltons. They are more hydrophobic than the MIP-1 alpha or TGF beta, and their mode of action is different in that they are active in an in vitro assay when used during a preincubation period only.

Dwg.0/12

FS CPI GMPI

FA AB; DCN

MC CPI: B04-B04D2; B04-C01B; B04-C01C; B04-C01D; B04-H02; B04-H06; B04-H08;
 B04-N02; B14-G02D; B14-H01; B14-M01; B14-S03; D05-H08; D05-H17A6

=> d his

(FILE 'HOME' ENTERED AT 11:07:03 ON 16 MAY 2005)
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:07:13 ON 16 MAY 2005
 E FPHFDLSHGSAQV/SQEP

L1 5 S E3

FILE 'HCAOLD' ENTERED AT 11:07:45 ON 16 MAY 2005

L2 0 S L1

FILE 'HCAPLUS' ENTERED AT 11:07:50 ON 16 MAY 2005

L3 3 S L1
E WOLPE S/AU
L4 37 S E3-E10
E TSURLOVA/AU
L5 21 S E4-E6
E PRO NEURON/PA,CS
L6 22 S E4-E8
E PRONEURON/PA,CS
L7 1 S E4,E5
E WELLSTAT/PA,CS
L8 19 S E3-E14
L9 2 S (US20040167060 OR US6784155 OR US5861483)/PN OR (US2004-77617
L10 3 S L3,L9 AND L4-L8
L11 3 S L9,L10
L12 3 S INPROL
L13 6 S L3,L9-L12
E HEMOGLOBIN/CT
L14 2289 S E22-E24
L15 2410 S E21 (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN OR DELTA CH
L16 261 S E3 (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN OR DELTA CHA
E E21+ALL
L17 2899 S E3+OLD,NT,PFT (L) (ALPHA CHAIN OR BETA CHAIN OR GAMMA CHAIN O
L18 6609 S (HEMOGLOBIN OR HAEMOGLOBIN) (L) (ALPHA CHAIN OR BETA CHAIN OR
L19 6628 S L14-L18
SEL RN L11

FILE 'REGISTRY' ENTERED AT 11:56:34 ON 16 MAY 2005

L20 79 S E1-E79
L21 15 S L20 AND (MORPHINE OR ETORPHINE OR CODEINE OR HEROIN OR HYDROM
L22 7 S L20 AND (BUPRENORPHINE OR BUTANORPHANOL OR NALBUPHINE OR MEPE
L23 0 S L20 AND DERMORPHIN?
L24 0 S L20 AND ENKEPHALIN?
L25 21 S L21,L22
L26 0 S BUTANORPHANOL
L27 20 S L25 NOT 509-60-4
L28 1 S L25 NOT L27
L29 58 S L20 NOT L25
L30 53 S L29 NOT L1
L31 1 S L30 AND C4/ES
L32 3 S L30 AND MYELO?
L33 1 S L20 AND BUTORPHANOL
L34 22 S L25,L33

FILE 'HCAPLUS' ENTERED AT 12:08:23 ON 16 MAY 2005

E GLYCINOL (L) ENKEPHALIN?
L35 6 S GLYCINOL (L) ENKEPHALIN?
L36 639 S DERMORPHIN?
L37 47 S L36 (L) ARG2
L38 7 S L37 (L) LYS4
L39 6 S L38 (L) AMIDE

FILE 'REGISTRY' ENTERED AT 12:12:01 ON 16 MAY 2005

L40 1 S 78123-71-4
L41 1 S 118476-85-0
E YAGF/SQEP
L42 598 S E3
L43 583 S L42 AND D
L44 580 S L43 AND NTE/FA
L45 165 S L44 AND METHYL/NTE

L46 149 S L45 AND PHE/NTE
L47 149 S L46 AND PHE 4/NTE
L48 149 S L40,L47
L49 87 S L47 AND N ALPHA METHYL
L50 87 S L49 AND D ALAN?
E YRFK/SQEP
L51 27 S E3
L52 23 S L51 AND D ARG?
L53 14 S L52 AND LYS 4/NTE
L54 14 S L53 AND LYSINAMIDE
L55 123 S L40,L41,L50,L54,L34

FILE 'HCAPLUS' ENTERED AT 12:15:54 ON 16 MAY 2005

L56 41202 S L55
L57 3 S L56 AND L19
L58 2 S L57 NOT 3/SC,SX
L59 22 S L56 AND STEM CELL
E STEM CELL/CT
L60 222 S L56 AND (E3+OLD,NT,PFT,RT OR E5+OLD,NT,PFT,RT OR E12+OLD,NT,P
L61 4 S L59,L60 AND (HEMOGLOBIN OR HAEMOGLOBIN)
E HEMOGLOBINS/CT
L62 82837 S E3+OLD,NT,PFT,RT
L63 73 S L62 AND L56
L64 5 S L63 AND STEM CELL
E STEM CELL/CT
L65 6 S L63 AND (E3+OLD,NT,PFT,RT OR E5+OLD,NT,PFT,RT OR E12+OLD,NT,P
L66 10 S L13,L58,L61,L64,L65
L67 6 S L66 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L68 4 S L66 NOT L67
L69 6 S L67 AND L3-L19,L35-L39,L56-L68

FILE 'REGISTRY' ENTERED AT 12:23:06 ON 16 MAY 2005

E HEMOGLOBIN
L70 3268 S E3,E6

FILE 'HCAPLUS' ENTERED AT 12:23:20 ON 16 MAY 2005

L71 10667 S L70
L72 6 S L71 AND L56
L73 2 S L72 AND L69
L74 6 S L69,L73
L75 4 S L72 NOT L74

FILE 'REGISTRY' ENTERED AT 12:24:53 ON 16 MAY 2005

FILE 'HCAPLUS' ENTERED AT 12:25:01 ON 16 MAY 2005

FILE 'EMBASE' ENTERED AT 12:25:46 ON 16 MAY 2005

E INPROL
L76 2 S E3

FILE 'MEDLINE' ENTERED AT 12:26:11 ON 16 MAY 2005

E INPROL
L77 0 S L1

FILE 'WPIX' ENTERED AT 12:26:25 ON 16 MAY 2005

L78 3 S INPROL/BIX

FILE 'WPIX' ENTERED AT 12:26:46 ON 16 MAY 2005

=>